

Abstract

An image sensing device and a method of capturing an electronic representation of an image includes a plurality of photosensors arranged in one or more arrays, and a filter associated with each of the photosensors. The photosensors and their respective output signals are divided into a plurality of color channels. At least one of the color channels is divided into a plurality of sub-channels. Each of the sub-channels registers light in spectral bands which approximate the color of the respective color channel. However, the first sub-channel registers light in a spectral band which is broader in bandwidth than the second sub-channel.